In the Claims

1. (Previously Amended) An isolated 125P5C8 protein comprising the sequence of SEQ ID NO: 2.

2. (Currently Amended) A 125P5C8 protein consisting of the sequence of SEQ ID NO: 2, wherein the 125P5C8 protein has at least 6 contiguous amino acids of an amino acid sequence shown in SEQ ID NO: 2.

3. (Previously Amended) The 125P5C8 protein of claim 2, wherein 125P5C8 protein has at least 15 contiguous amino acids of an amino acid sequence shown in SEQ ID NO: 2.

4. (Previously Amended) The 125P5C8 protein of claim 3, wherein the 125P5C8 protein is at least 30 contiguous amino acids of an amino acid sequence shown in SEQ ID NO: 2.

Claims 5-6 (Cancelled)

7. (Currently Amended) ~~An~~ A 125P5C8 protein ~~of claim 1~~ that ~~further comprises at least one conservative substitution~~ is at least 90% identical to the entire amino acid sequence of SEQ ID NO: 2, wherein any substitutions are conservative substitutions and binds to an antibody raised by immunization with a protein of SEQ ID NO: 2, that is immunospecific therefor.

Claims 8-13 (Cancelled)

14. (Currently Amended) An isolated 125P5C8 protein of claim ~~1~~ 7 that has an amino acid sequence which is exactly that of an amino acid sequence encoded by a polynucleotide selected from the group consisting of:

(a) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1 ~~,~~ ;

(b) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1, from nucleotide residue number 82 through nucleotide residue number 696 ~~,~~ ; and

(c) a polynucleotide that encodes a 125P5C8 protein whose sequence is encoded by the ~~cDNAs~~ cDNA contained in the ~~plasmids~~ plasmid designated *Escherichia coli* DH5A 125P5C8PRO deposited with American Type Culture Collection as Accession No. PTA -3137 ~~;~~

~~(d) a polynucleotide that is fully complementary to a polynucleotide of any one of (a)-(c); and,~~

~~(e) a polynucleotide that selectively hybridizes under stringent conditions to a polynucleotide of (a)-(c).~~

Claims 15-22 (Cancelled)

23. (Currently Amended) A 125P5C8 ~~-related~~ protein which is at least 90% identical to the entire amino acid sequence of SEQ ID NO: 2, wherein any substitutions are conservative substitutions and binds to an antibody raised by immunization with a protein of SEQ ID NO: 2, that is immunospecific therefor, produced by a process comprising culturing a host cell that contains an expression vector comprising an 125P5C8 nucleotide, where T can be U, that comprises:

(a) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2103; or,

(b) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2100; or,

(c) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2097; or

(d) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 339;

(e) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 1119; and

(f) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 2065 ~~;~~

~~(g) a polynucleotide that selectively hybridizes under stringent conditions to a polynucleotide of (a)-(f);~~

~~wherein a range is understood to specifically disclose all whole unit positions thereof~~.

Claims 24-59 (Cancelled)